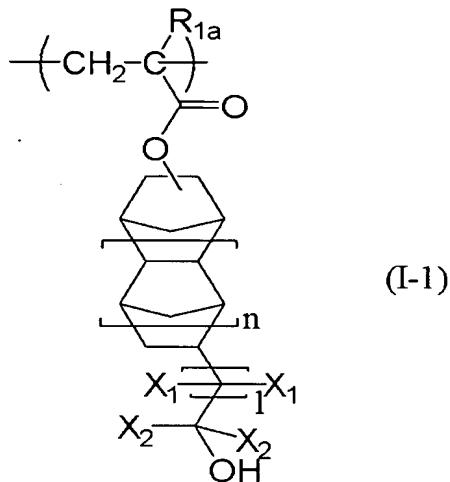


## CLAIMS

1. A radiation-sensitive resin composition comprising:

(A) a resin which comprises a recurring unit (I-1) shown by the following

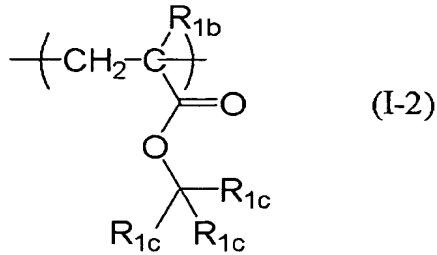
5 formula (I-1):



wherein R<sub>1a</sub> represents a hydrogen atom, a methyl group, a hydroxyalkyl group having 1-4 carbon atoms, or a perfluoroalkyl group having 1-4 carbon atoms, X<sub>1</sub> and X<sub>2</sub> individually represent a hydrogen atom, a fluorine atom, an alkyl group having 1-4 carbon atoms, or a fluoroalkyl group having 1-4 carbon atoms, I is an integer of 0-5, and n is an integer of 0-2, the resin being insoluble or scarcely soluble in alkali, but becoming alkali soluble by the action of an acid, and

(B) a photoacid generator.

15 2. The radiation-sensitive resin composition according to claim 1, wherein the resin further comprises a recurring unit (I-2) shown by the following formula (I-2):



wherein R<sub>1b</sub> represents a hydrogen atom or a methyl group, R<sub>1c</sub> individually represents a monovalent alicyclic hydrocarbon group having 4-20 carbon atoms or a derivative thereof, or a linear or branched alkyl group having 1-4 carbon atoms, provided that (1) at

5       least one of the R<sub>1c</sub> groups is a monovalent alicyclic hydrocarbon group having 4-20 carbon atoms, or (2) any two of the R<sub>1c</sub> groups form, in combination and together with the carbon atom with which these groups bond, a divalent alicyclic hydrocarbon group having 4-20 carbon atoms or a derivative thereof, with the other R<sub>1c</sub> group being a monovalent alicyclic hydrocarbon group having 4-20 carbon atoms or a derivative thereof, or a linear or branched alkyl group having 1-4 carbon atoms.

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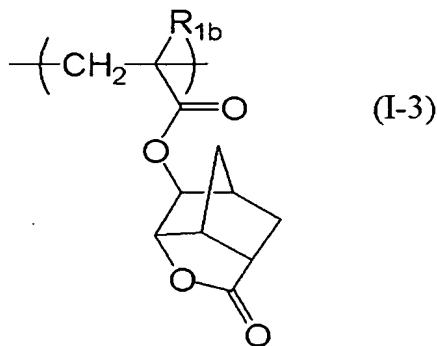
3. The radiation sensitive resin composition according to claim 2, wherein the group -C(R<sub>1c</sub>)<sub>3</sub> in the formula (I-2) is a 1-alkyl-1-cycloalkyl group, 2-alkyl-2-adamantyl group, (1-alkyl-1-adamantyl)alkyl group, or (1-alkyl-1-norbornyl)alkyl group.

15

4. The radiation-sensitive resin composition according to claim 1, wherein the resin does not contain a lactone ring.

20       5. The radiation-sensitive resin composition according to claim 4, wherein the content of the recurring unit (I-1) in the resin is 40-90 mol% in 100 mol% of the total recurring units forming the resin.

6. The radiation-sensitive resin composition according to claim 1, wherein the resin further comprises a recurring unit (I-3) shown by the following formula (I-3):

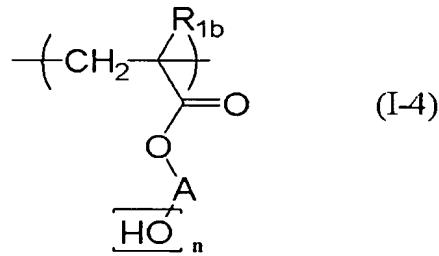


wherein R<sub>1b</sub> represents a hydrogen atom or a methyl group.

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7. The radiation-sensitive resin composition according to claim 6, wherein the content of the recurring unit (I-1) in the resin is 5-25 mol% in 100 mol% of the total recurring units forming the resin.

10 8. The radiation-sensitive resin composition according to claim 1, wherein the resin further comprises a recurring unit (I-4) shown by the following formula (I-4):



wherein R<sub>1b</sub> represents a hydrogen atom or a methyl group, A represents a linear or branched alkyl or alkylene group having 1-4 carbon atoms or a monovalent or divalent alicyclic hydrocarbon group having 4-20 carbon atoms or a derivative thereof, and n is an

integer of 0-2.

9. The radiation-sensitive resin composition according to claim 1, further comprising (C) an acid diffusion controller.